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From the INTERNATION	AL SEARCHING A	UTHORITY		:	SOUZ AON 6 Z
To: RICHARD L. I THE WEBB L.	AW FIRM			PCT	<u></u>
700 KOPPERS BUILDING 436 SEVENTH AVENUE PITTSBURGH, PA 15219-1845		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
				(PCT Rule 43bis.1	1)
			Date of mailing (day/month/year)	23 NOV 20	09
	agent's file reference		FOR FURTHER	ACTION See paragraph 2 below	
0815-044244 International ap	pplication No.	International filing date	(day/month/year)	Priority date (day/mon	ıth/year)
PCT/US04/195		18 June 2004 (18.06.200	04)	20 June 2003 (20.06.2	003)
		IPC) or both national classificat		. 172 5 174 5	
Applicant	3/40, 13/447; FUID 1	1/00, 11/02 and US Cl.: 277/40	J9, 411-415; 415/171.	.1, 173.5, 174.5	***************************************
ELLIOTT COM	MPANY				
1. This opinio	on contains indication	ns relating to the following item	ns:		
Bo:	No. I Basis	of the opinion	^		
Box	c No. II Priorit	Priority			
Box	(No. III Non-e	stablishment of opinion with re	gard to novelty, inver	ntive step and industrial	applicability
Box	No. IV Lack	of unity of invention			
Box		ned statement under Rule 43 <i>bis</i> ability; citations and explanatio			or industrial
Box	No. VI Certai	n documents cited	ocuments cited		
Вох	No. VII Certai	n defects in the international ap	pplication		
Вох	No. VIII Certai	n observations on the internatio	nal application		
2. FURTHE	RACTION				
Internation Authority of	al Preliminary Exam other than this one to	oreliminary examination is made mining Authority ("IPEA") ex to be the IPEA and the chosen tractional Searching Authority	ccept that this does IPEA has notified th	not apply where the a	applicant chooses an
IPEA a wri	tten reply together, T/ISA/220 or before	above, considered to be a writ where appropriate, with amend the expiration of 22 months fr	ments, before the exp	piration of 3 months from	vited to submit to the m the date of mailing
	options, see Form Po			-	
3. For further	details, see notes to	Form PCT/ISA/220.			
	ng address of the ISA	V US	Authorized officer	40 1	
Commi	op PCT, Attn: ISA/US ssioner for Patents		Vishal Patel	ermutt for	
Alexan	ox 1450 dria, Virginia 22313-14 1033 205 2220	150	Telephone No. 57	() 1-272-7060	

Alexandria, Virginia 22313-1450
Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application	No.		
PCT/US04/19596			

Box No. 1 Basis of this opinion
<ol> <li>With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</li> </ol>
This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:
· ·

Form PCT/ISA/237(Box No. I) (January 2004)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/19596

1. Statement		
Novelty (N)	Claims NONE	YES
	Claims 1-8	N0
Inventive step (IS)	Claims NONE	YES
	Claims 1-8	No
Industrial applicability (IA)	Claims 1-8	YES
	Claims NONE	No
Citations and explanations:		
terleaved along the shaft (each damper seal oppose material of 2 by teeth 5).  The abradable seal segments comprises a dially outward of the teeth (each section of 2 that a smooth section between teeth 5).	plurality of annular teeth (5) extending from th	ne shaft and an abradable stator section

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